

# Work Order ID 86495

Friday, June 29, 2012 3:40:25 PM

**\*86495\***

Page 1

Item ID: D350-607-043A

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID:

Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Stop **\*NS2\***

Start Date: 6/29/2012 Start Qty: 1.00 **\*1\***

Cust Item ID:

Required Date: 7/20/2012 Req'd Qty: 1.00 **\*1\***

Customer:

Reference:

Approvals: Process Plan: MF

Date: 12-07-04 Tooling:

Date:

Run Start **\*NR1\***

QC:

Date: SPC (Y/N):

Date:

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
IIN-D350-607-1	A

100		0.00
-----	--	------

**\*100\***

DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile & type labels per PPPD350-607-043A CHG001

**DAS 16**  
12/7/20

110	Pick Kit	0.00
-----	----------	------

**\*110\***

Packaging

Memo

0.00

Packaging

*[Handwritten signature]*  
12/7/20

120	Small Fab	0.00
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**\*120\***

Small Fab

Memo

0.00

Small Fab

Assemble as per Dwg D350-607  
Seal Support Gusset with Sikaflex -291  
Batch: 12/130  
Exp Date: 12-03

1 *[Handwritten mark]* 12/7-20

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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**NOTE:** Date & initial all entries

**Work Order ID 86495**

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**\*86495\***

Page 2

Item ID: D350-607-043A

Accept

**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 6/29/2012 Start Qty: 1.00 **\*1\***

Cust Item ID:

Required Date: 7/20/2012 Req'd Qty: 1.00 **\*1\***

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start **\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop **\*NR2\***Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run HoursTool ID Tool # Plan Accept Reject Reject Insp.  
Code Qty Qty Number Stamp

130

QC5- Inspect part completeness to step on W/O

0.00

**\*130\***

QC

Memo

0.00

Quality Control

140

Pick Kit

0.00

**\*140\***

Packaging

Memo

0.00

Packaging

150

QC4- 100% Inspect kits for completeness

0.00

**\*150\***

QC

Memo

0.00

Quality Control

DAS  
16  
8-3 12/15/20DAS  
16  
8-3 17/6/20

W/O:		WORK ORDER CHANGES					
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**Work Order ID 86495****\*86495\***

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Item ID: D350-607-043A

Accept

**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Stop **\*NS2\***Start Date: 6/29/2012 Start Qty: 1.00 **\*1\***

Cust Item ID:

Required Date: 7/20/2012 Req'd Qty: 1.00 **\*1\***

Customer:

Reference:

Approvals: Process Plan: Date: Tooling: Date: SPC (Y/N):

QC: Date:

Run Start **\*NR1\***Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours
--------------------------------	--------------------------	----------------------

160

0.00

**\*160\***

Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D350-607-043A

Location: SUMP

170

QC21- Final Inspection - Work Order Release

0.00

**\*170\***

QC

Memo

0.00

Quality Control

Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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*P 07/27/20 @*

*ML5 12/07/20*

*MF 12-07-20*

W/O:		WORK ORDER CHANGES					
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Page 1

Work Order ID: 86495

Parent Item: D350-607-043A

Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 6/29/2012

Required Date: 7/20/2012

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP RevB: as per dwg revC DD 10.01.18 verified by:EC  
10.04.19 verified by:EC  
IPP Rev:D 10.10.18 remove D350-607-143 and added individual parts of D350-607-143 in DD  
verf:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3953-7 Spring Spacer		Manufactured	No				Each	47.0000		1			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST075		47							
				82940		17							
				85789		30							
AN310-4 NUT		Purchased	No			110	Each	111.0000	2	2			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST344		111							
				121349		11							
				121827		100							
AN3C11A BOLT		Purchased	No			110	Each	40.0000	2	2			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST351		40							
				119798		40							
AN3C15A Bolt		Purchased	No			110	Each	37.0000	2	2			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST352		37							
				119973		37							
D2728-3 Dart Logo label		Manufactured	No			110	Each	0.0000	2	2			

W/O:		WORK ORDER CHANGES					
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Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Page 2

Work Order ID: 86495

Parent Item: D350-607-043A

Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 6/29/2012

Required Date: 7/20/2012

Start Qty: 1.00

Required Qty: 1.00

D3953-11  
Gas Spring Spacer

Manufactured No

110 Each 5.0000

1

1

Location

Loc Qty

Loc Code

ST075

5

79338

5

D3953-15  
Gas Spring Bracket

Manufactured No

110 Each 19.0000

1

1

Location

Loc Qty

Loc Code

ST075

19

79337

19

D3953-17  
Gas Spring Spacer

Manufactured No

110 Each 37.0000

1

1

Location

Loc Qty

Loc Code

ST075

37

82937

13

85787

24

D3953-3  
Gas Spring Stud, Lid

Manufactured No

110 Each 37.0000

1

1

Location

Loc Qty

Loc Code

ST075

37

82939

7

85788

30

D3953-5  
Gas Spring Stud, Base

Manufactured No

110 Each 2.0000

1

1

Location

Loc Qty

Loc Code

ST075

2

77506

2

D3953-9  
Gas Spring Washer

Manufactured No

110 Each 27.0000

2

2

Location

Loc Qty

Loc Code

ST075

27

82941

27

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Page 2

W/O:		WORK ORDER CHANGES					
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Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Work Order ID: 86495

Parent Item: D350-607-043A

Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 6/29/2012

Required Date: 7/20/2012

Start Qty: 1.00

Required Qty: 1.00

D3969-1 Manufactured No  
Spring (Basket Lid)

110 Each 25.0000

1

1

Location

Loc Qty

Loc Code

ST272

25

73523

5

84424

20

73523

MS21043-3 Purchased No  
Nut

110 Each 1,202.0000

4

4

Location

Loc Qty

Loc Code

FG

72

103691

72

ST301

1130

118077

2

118614

12

118686

30

119758

20

121255

163

121708

903

11/21/2015

MS24665-2-12 Purchased No  
COTTER PIN

110 Each 130.0000

2

2

Location

Loc Qty

Loc Code

ST309

130

118078

130

NAS1149C0332R Purchased No  
Washer

110 Each 9,466 0000

4

4

Location

Loc Qty

Loc Code

297

9400

122063

9400

ST297

66

121509

66

118078

11/22/2013

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Page 3

W/O:		WORK ORDER CHANGES					
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Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Page 4

Work Order ID: 86495

Parent Item: D350-607-043A

Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 6/29/2012

Required Date: 7/20/2012

Start Qty: 1.00

Required Qty: 1.00

NAS1149C0432R

Purchased No

Washer

110 Each 3,606.0000 2 2

Location

Loc Qty

Loc Code

ST297

1102

117291

102

119124

1000

ST298

2504

121255

2504

D350-607-241 210001

Manufactured No

Basket Clamp Assembly

140 Each 4.0000

Location

Loc Qty

Loc Code

FG022

1

82555

1

PKG

1

82554

1

PKG12

-5

PKG13

7

85949

2

D2022-101

Manufactured No

Spacer

110 Each 44.0000

Location

Loc Qty

Loc Code

ST504

44

73307

1

79465

43

D2221

Manufactured No

350 Basket Base

110 Each 0.0000

D2258-200

Manufactured No

Placard 2001b

110 Each 25.0000

Location

Loc Qty

Loc Code

ST505

25

81888

15

84436

10

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Page 4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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# Picklist Print

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Page 5

Work Order ID: 86495

Parent Item: D350-607-043A

Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 6/29/2012

Required Date: 7/20/2012

Start Qty: 1.00

Required Qty: 1.00

D2530  
Handle Weldment

Manufactured No

110 Each 9.0000

1

1

86651 h

Location

Loc Qty

Loc Code

ST506

9

82895

1

83423

1

85779

7

D2535

Spring

Manufactured No

110 Each 56.0000

2

2

h

Location

Loc Qty

Loc Code

ST504

56

83545

56

D2537

Bushing

Manufactured No

110 Each 24.0000

2

2

83545 h

Location

Loc Qty

Loc Code

ST504

24

82896

24

D2931

Bumper

Manufactured No

110 Each 400.0000

2

2

82896 h

Location

Loc Qty

Loc Code

ST504

400

46064

400

D2989-041

Basket Lid Assembly

Manufactured No

110 Each 0.0000

1

1

86496

46064

PR 12-7-20

D2989-043

Basket Lid Assembly

Manufactured No

110 Each 0.0000

1

1

86497

PR 12-7-20

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Page 5

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Page 6

Work Order ID: 86495

Parent Item: D350-607-043A

Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 6/29/2012

Required Date: 7/20/2012

Start Qty: 1.00

Required Qty: 1.00

AN3-16A Purchased No

110 Each 105.0000 2 2

Bolt

## Location

## Loc Qty

## Loc Code

ST352 105  
117441 47  
118628 1  
120986 7  
121708 50

AN4-13A Purchased No

110 Each 1,160.0000 2 2

Bolt

## Location

## Loc Qty

## Loc Code

ST357 1160  
120187 19  
120422 2  
120770 12  
121652 929  
122063 198

AN4-22A Purchased No

110 Each 167.0000 5 5

Bolt

## Location

## Loc Qty

## Loc Code

ST359 167  
116419 49  
118628 68  
120930 50

AN5-17A Purchased No

110 Each 148.0000 4 4

Bolt

## Location

## Loc Qty

## Loc Code

338 4  
121181 4  
ST338 144  
117872 34  
121541 10  
122151 100

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W/O:		WORK ORDER CHANGES					
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Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Work Order ID: 86495

Parent Item: D350-607-043A

Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 6/29/2012

Required Date: 7/20/2012

Start Qty: 1.00

Required Qty: 1.00

NAS1515H4

Purchased

No

110

Each

134.0000

2

2

Washer

## Location

## Loc Qty

## Loc Code

ST277

134

116169

2

117735

3

118078

20

118612

9

120770

50

121649

50

MS21042L3

Purchased

No

110

Each

3,423.0000

2

2

Nut

## Location

## Loc Qty

## Loc Code

ST300

1423

117885

32

119017

777

119075

138

121444

476

ST317

2000

122141

2000

MS21042L4

Purchased

No

110

Each

1,782.0000

7

7

Nut

## Location

## Loc Qty

## Loc Code

ST300

1782

119075

116

121011

193

121444

1173

121652

300

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Parent Item: D350-607-043A

Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 6/29/2012

Required Date: 7/20/2012

Start Qty: 1.00

Required Qty: 1.00

MS21042L5

Purchased

No

110

Each

1,232.0000

4

4

Nut

## Location

## Loc Qty

## Loc Code

300

500

121652

500

ST300

732

108827

4

116105

5

116548

43

117611

2

119109

666

17651

4

2937

8

6/19/12

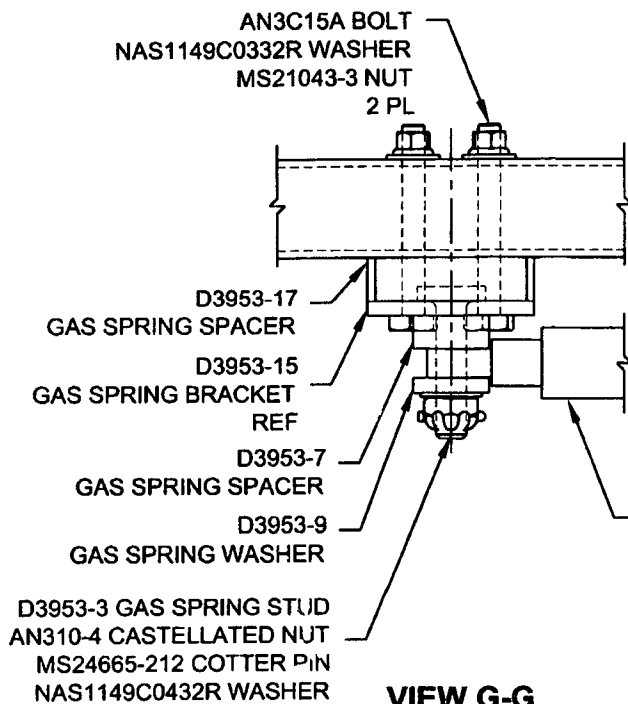
W/O:		WORK ORDER CHANGES					
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Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

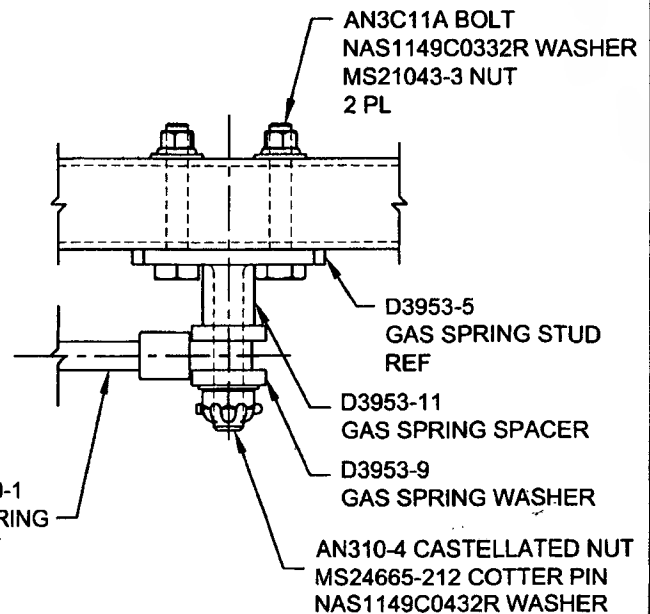
Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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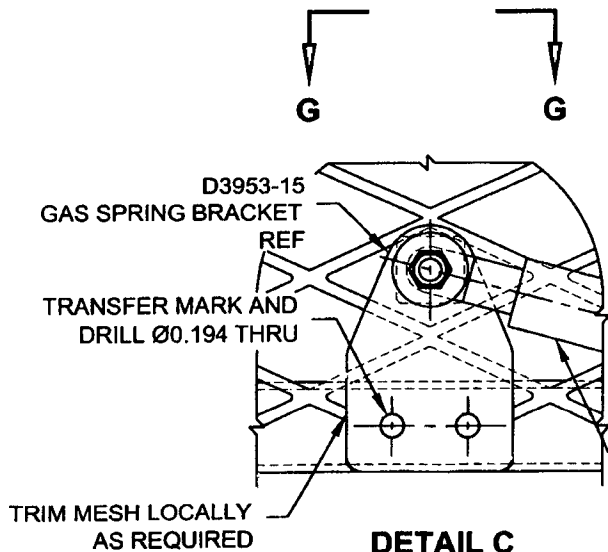
**NOTE:** Date & initial all entries



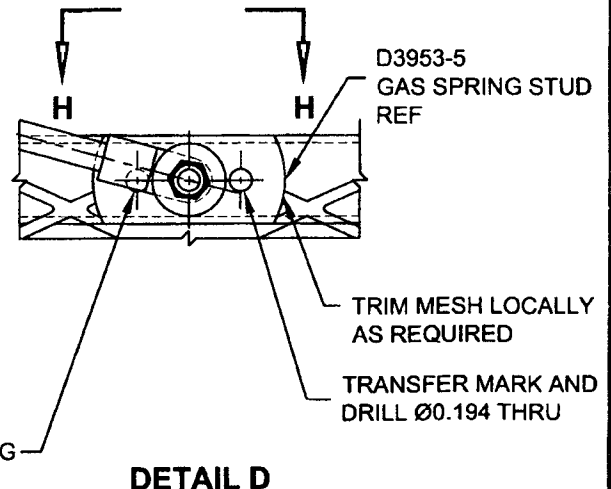
**VIEW G-G**



**VIEW H-H**



**DETAIL C**



**DETAIL D**

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY: *[Signature]*  
D. SHEPHERD (DE # 02)

DATE: 09.11.11

CERT. NO.: SH94-14

ISSUE NO.: 4

DESIGN	AJS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. C
MFG. APPR.	N/A	DSI 9473	SHEET 8 OF 8
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	AUTOMATIC LID OPENER INSTL	NTS
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# DART SERVICE INSTRUCTION

TO AMEND DRAWING D350-607 REV. F OR SUBSEQUENT APPROVED REVISION

REF CANADIAN STC: SH94-14

FAA STC: SR00213NY

EASA STC: EASA.IM.R.S.01405

THE PURPOSE OF THIS DART SERVICE INSTRUCTION (DSI), IS TO PROVIDE OPERATORS OF AS350 / 355 ROTORCRAFT EQUIPPED WITH DART D350-607-041 HELI UTILITY BASKETS WITH AN UPGRADE KIT TO REPLACE THE EXISTING LID PROP ARM WITH 2 GAS SPRINGS.

FOR OPERATORS EQUIPPED WITH D350-607-043/-045/-047 HELI UTILITY BASKETS THIS DSI WILL PROVIDE AN UPGRADE KIT TO REPLACE THE EXISTING LID PROP ARM WITH 1 GAS SPRING.

ITEM No.	QTY -141	QTY -143	QTY -145	PART NUMBER	DESCRIPTION
1	X			D350-607-141	AUTOMATIC LID OPENER INSTL (FOR USE ON -041 BASKET*)
2		X		D350-607-143	AUTOMATIC LID OPENER INSTL (FOR USE ON -043/-047 BASKET*)
3			X	D350-607-145	AUTOMATIC LID OPENER INSTL (FOR USE ON -045 BASKET*)
4	2		1	D3953-1	GAS SPRING BRACKET
5	2	1	1	D3953-3	GAS SPRING STUD (LID)
6	2	1	1	D3953-5	GAS SPRING STUD (BASE)
7	2	1	1	D3953-7	GAS SPRING SPACER
8	4	2	2	D3953-9	GAS SPRING WASHER
9	2	1	1	D3953-11	GAS SPRING SPACER
10	2		1	D3953-13	GAS SPRING SPACER
11		1		D3953-15	GAS SPRING BRACKET
12		1		D3953-17	GAS SPRING SPACER
13	2	1	1	D3969-1	GAS SPRING
14	4	2	2	AN3C11A	BOLT
15		2		AN3C15A	BOLT
18	4		2	AN3C16A	BOLT
19	4	2	2	AN310-4	CASTELLATED NUT
20	8	4	4	MS21043-3	NUT
21	4	2	2	MS24665-212	COTTER PIN
22	8	4	4	NAS1149C0332R	WASHER (OR AN960C10L)
23	4	2	2	NAS1149C0432R	WASHER (OR AN960C416L)

**\*NOTE:** FOR CUSTOMERS WISHING TO ORDER NEW BASKETS WITH THE LID OPENER PRE-INSTALLED USE THE FOLLOWING NUMBERS:

D350-607-041 BASKET WITH AUTOMATIC LID OPENER INSTALLED = D350-607-041A  
D350-607-043 BASKET WITH AUTOMATIC LID OPENER INSTALLED = D350-607-043A  
D350-607-045 BASKET WITH AUTOMATIC LID OPENER INSTALLED = D350-607-045A  
D350-607-047 BASKET WITH AUTOMATIC LID OPENER INSTALLED = D350-607-047A

*wp86495*

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED	
BY: <i>[Signature]</i>	D. SHEPHERD (DE # 02)
DATE: 09.11.11	
CERT. NO.: SH94-14	
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C	SHEET 1 PL, -143 INSTL, ITEM 6 QTY WAS 2, ITEM 7 WAS 0.	AJS	09.11.11
B	SHT 1 P/L ITEM 22 WAS NAS1149C0332 ITEM 23 WAS NAS1149C0432H. ALL OTHER SHEETS UPDATED ACCORDINGLY. (REASON: DRAFTING ERROR) INSTALLATIONS RENAMED.	AJS	09.11.06
A	NEW ISSUE	AJS	09.09.15
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. C
MFG. APPR.	N/A	DSI 9473	SHEET 1 OF 8
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	AUTOMATIC LID OPENER INSTL	NTS
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FOR D350-607-041 BASKETS, REPLACE THE EXISTING D2332-041 PROP ARM ASSEMBLY AS FOLLOWS:

### **D350-607-141 AUTOMATIC LID OPENER INSTALLATION**

**NOTE:** ONCE THIS MODIFICATION IS COMPLETE YOU WILL NOT BE ABLE TO RE-INSTALL THE D2332-041 PROP ARM.

- 1) REMOVE THE D2332-041 PROP ARM.
- 2) GRIND FLUSH THE D2327-3 SPACER BUSHING ON BOTH ENDS OF THE BASKET AS SHOWN IN FIGURE 1 (IT IS PERMISSIBLE TO GRIND ALL 4 SPACERS FLUSH). TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4.
- 3) LOCATE THE D3953-1 GAS SPRING BRACKET AS SHOWN IN FIGURE 1. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET LID SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL A. INSTALL THE D3953-1 GAS SPRING BRACKET & D3953-13 GAS SPRING SPACER USING 2X AN3C16A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT AS SHOWN IN VIEW E-E.
- 4) LOCATE THE D3953-5 GAS SPRING STUD AS SHOWN IN FIGURE 1. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET BASE SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL B. FASTEN D3953-5 IAW VIEW F-F USING 2X AN3C11A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT.
- 5) INSTALL 1X D3953-11 GAS SPRING SPACER ONTO THE D3953-5 STUD AS SHOWN IN VIEW F-F. INSTALL THE LARGE END OF THE D3969-1 GAS SPRING SPRING ONTO THE D3953-5 GAS SPRING STUD AND FASTEN IN PLACE USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW F-F. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.
- 6) INSERT THE D3953-3 GAS SPRING STUD INTO THE D3953-1 GAS SPRING BRACKET & INSERT THE D3953-7 GAS SPRING SPACER ONTO THE D3953-3 GAS SPRING AS SHOWN IN VIEW E-E. RAISE THE BASKET LID AND INSTALL THE ROD END OF THE D3969-1 GAS SPRING ONTO THE D3953-3 GAS SPRING STUD USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW E-E. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.

**NOTE:** THE D3953-3 GAS SPRING STUD CAN BE HELD IN PLACE WITH A  $\frac{9}{16}$  OPEN END SPANNER / WRENCH.

**NOTE:** WITH THE LID IN THE CLOSED POSITION THE GAS SPRING SHOULD NOT BE FULLY COMPRESSED.



- 7) REPEAT STEPS 2 THROUGH 6 AT THE OTHER END OF THE BASKET.
- 8) TEST THE INSTALLATION. IF INSTALLED PROPERLY THE GAS SPRINGS SHOULD ASSIST THE BASKET USER IN BOTH OPENING AND CLOSING THE BASKET LID.

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE # 02)

DATE: 09.11.11  
CERT. NO.: SH94-14  
ISSUE NO.: 4

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FOR D350-607-043/-047 BASKETS REPLACE THE EXISTING D2332-041 PROP ARM ASSEMBLY AS FOLLOWS:

### **D350-607-143 AUTOMATIC LID OPENER INSTALLATION**

**NOTE:** THIS KIT MAY BE INSTALLED AT EITHER END OF THE BASKET. HOWEVER, THE PROP ARM MUST BE REMOVED IN EITHER CASE AS IT WILL INTERFERE WITH THE FUNCTION OF THE GAS SPRING.

- 1) REMOVE THE D2332-041 PROP ARM.
- 2) GRIND FLUSH THE D2327-3 SPACER BUSHING ON THE END OF THE BASKET WHERE THE LID OPENER IS BE INSTALLED AS SHOWN IN FIGURE 2 (IT IS PERMISSIBLE TO GRIND ALL 4 SPACERS FLUSH). TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4.
- 3) LOCATE THE D3953-15 GAS SPRING BRACKET AS SHOWN IN FIGURE 2. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET LID SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL C. INSTALL THE D3953-15 GAS SPRING BRACKET & D3953-17 GAS SPRING SPACER USING 2X AN3C15A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT AS SHOWN IN VIEW G-G.
- 4) LOCATE THE D3953-5 GAS SPRING STUD AS SHOWN IN FIGURE 2. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET BASE SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL D. INSTALL 2X AN3C11A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT AS SHOWN IN VIEW H-H. INSTALL THE ROD END OF THE D3969-1 GAS SPRING ONTO THE D3953-3 GAS SPRING STUD USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW H-H. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.
- 5) INSERT THE D3953-3 GAS SPRING STUD INTO THE D3953-15 GAS SPRING BRACKET & INSERT THE D3953-7 GAS SPRING SPACER ONTO THE D3953-3 GAS SPRING STUD AS SHOWN IN VIEW G-G. RAISE THE BASKET LID AND INSTALL THE D3969-1 GAS SPRING ONTO THE D3953-3 GAS SPRING STUD AND FASTEN IN PLACE USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW G-G. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.

**NOTE:** THE D3953-3 GAS SPRING STUD CAN BE HELD IN PLACE WITH A  $\frac{9}{16}$  OPEN END SPANNER / WRENCH.

**NOTE:** WITH THE LID IN THE CLOSED POSITION THE GAS SPRING SHOULD NOT BE FULLY COMPRESSED.




- 6) TEST THE INSTALLATION. IF INSTALLED PROPERLY THE GAS SPRING SHOULD ASSIST THE BASKET USER IN BOTH OPENING AND CLOSING THE BASKET LID.

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE # 02)

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FOR D350-607-045 BASKETS REPLACE THE EXISTING D2332-041 PROP ARM ASSEMBLY AS FOLLOWS:

### **D350-607-145 AUTOMATIC LID OPENER INSTALLATION**

**NOTE:** THIS KIT MAY BE INSTALLED AT EITHER END OF THE BASKET. HOWEVER, THE PROP ARM MUST BE REMOVED IN EITHER CASE AS IT WILL INTERFERE WITH THE FUNCTION OF THE GAS SPRING.

- 1) REMOVE THE D2332-041 PROP ARM.
  - 2) GRIND FLUSH THE D2327-3 SPACER BUSHING ON THE END OF THE BASKET WHERE THE LID OPENER IS BE INSTALLED AS SHOWN IN FIGURE 1 (IT IS PERMISSIBLE TO GRIND ALL 4 SPACERS FLUSH). TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4.
  - 3) LOCATE THE D3953-1 GAS SPRING BRACKET AS SHOWN IN FIGURE 1. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET LID SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL A. INSTALL THE D3953-1 GAS SPRING BRACKET & D3953-13 GAS SPRING SPACER USING 2X AN3C16A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT AS SHOWN IN VIEW E-E.
  - 4) LOCATE THE D3953-5 GAS SPRING STUD AS SHOWN IN FIGURE 1. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET BASE SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL B. FASTEN D3953-5 IAW VIEW F-F USING 2X AN3C11A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT.
  - 5) INSTALL 1X D3953-11 GAS SPRING SPACER ONTO THE D3953-5 STUD AS SHOWN IN VIEW F-F. INSTALL THE LARGE END OF THE D3969-1 GAS SPRING SPRING ONTO THE D3953-5 GAS SPRING STUD AND FASTEN IN PLACE USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW F-F. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.
  - 6) INSERT THE D3953-3 GAS SPRING STUD INTO THE D3953-1 GAS SPRING BRACKET & INSERT THE D3953-7 GAS SPRING SPACER ONTO THE D3953-3 GAS SPRING AS SHOWN IN VIEW E-E. RAISE THE BASKET LID AND INSTALL THE ROD END OF THE D3969-1 GAS SPRING ONTO THE D3953-3 GAS SPRING STUD USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW E-E. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.
- NOTE:** THE D3953-3 GAS SPRING STUD CAN BE HELD IN PLACE WITH A  $\frac{9}{16}$  OPEN END SPANNER / WRENCH.

**NOTE:** WITH THE LID IN THE CLOSED POSITION THE GAS SPRING SHOULD NOT BE FULLY COMPRESSED.



- 7) TEST THE INSTALLATION. IF INSTALLED PROPERLY THE GAS SPRING SHOULD ASSIST THE BASKET USER IN BOTH OPENING AND CLOSING THE BASKET LID.

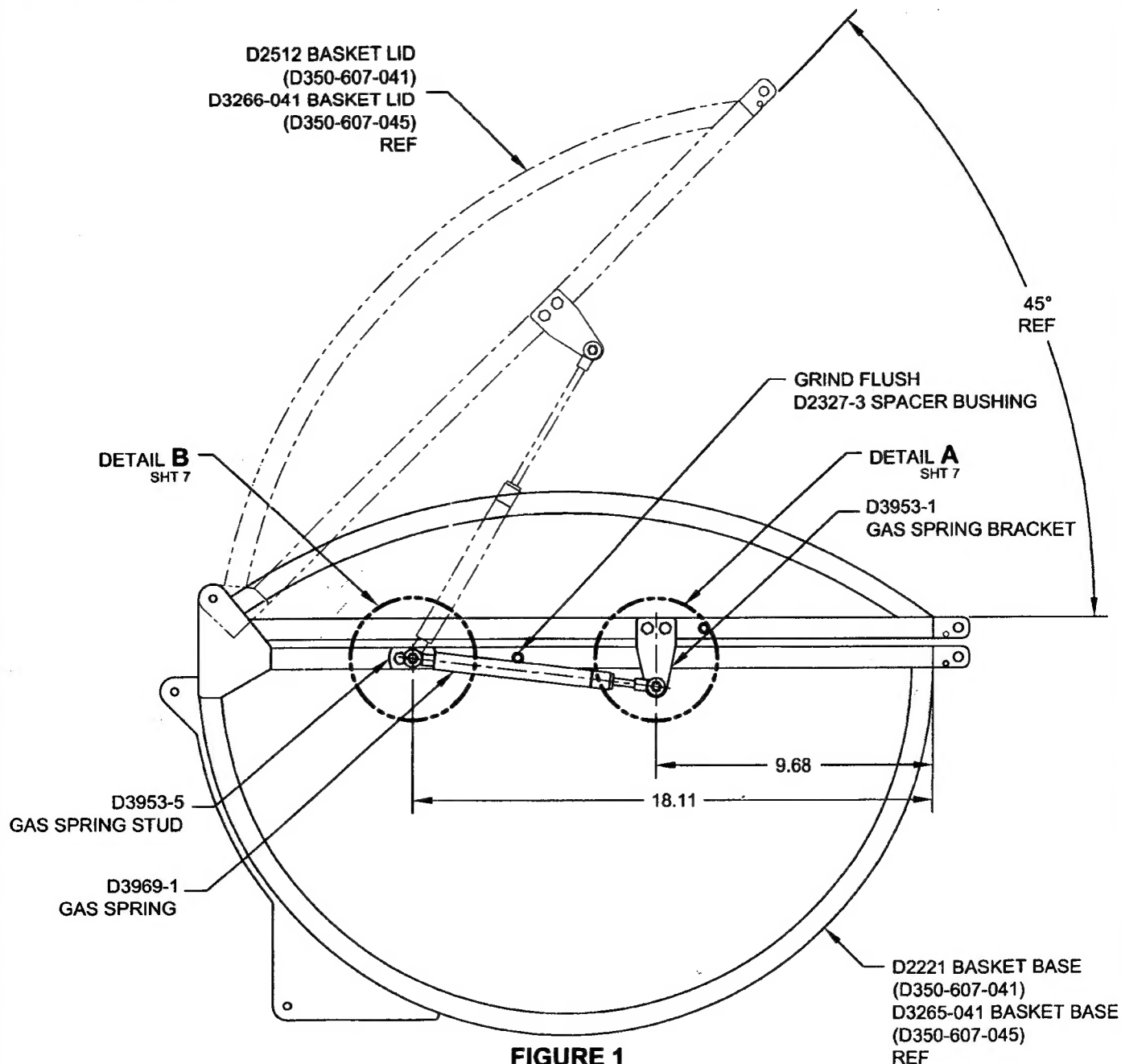
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DE APPR.		AUTOMATIC LID OPENER INSTL	NTS
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**FIGURE 1**

**D350-607-141 AUTOMATIC LID OPENER INSTALLATION**

(BOTH ENDS)

**D350-607-145 AUTOMATIC LID OPENER INSTALLATION**

(1 END ONLY)

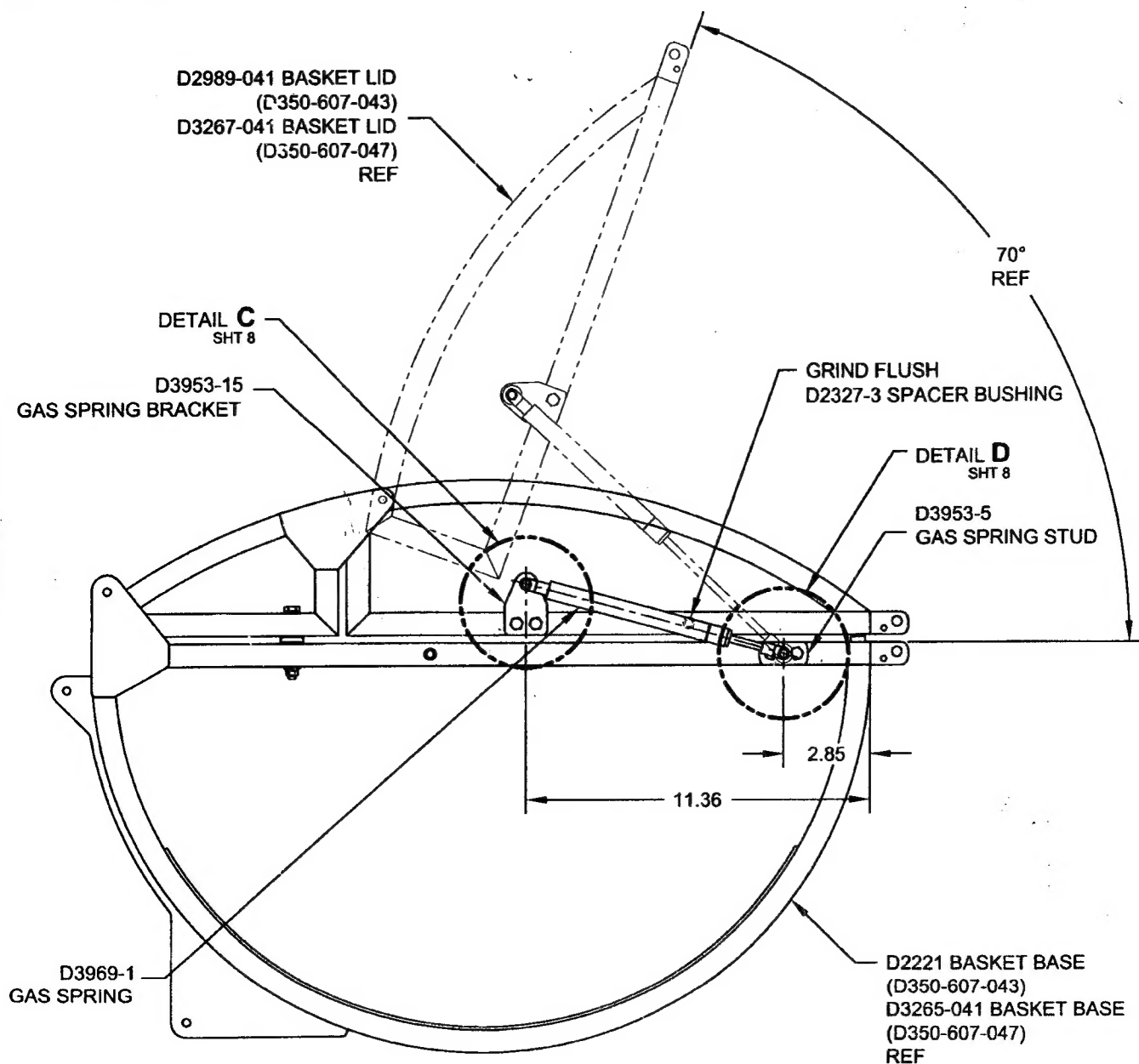
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**FIGURE 2**  
**D350-607-143 AUTOMATIC LID OPENER INSTALLATION**  
 (1 END ONLY)

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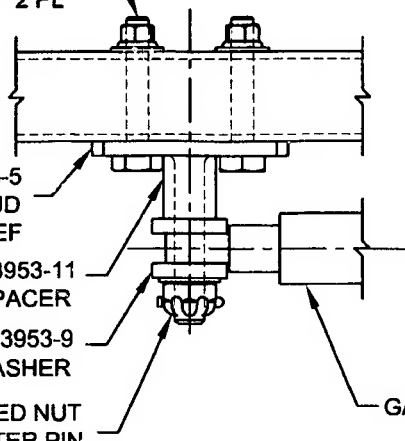
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AN3C11A BOLT  
NAS1149C0332R WASHER  
MS21043-3 NUT  
2 PL

D3953-5  
GAS SPRING STUD  
REF  
D3953-11  
GAS SPRING SPACER  
D3953-9  
GAS SPRING WASHER  
AN310-4 CASTELLATED NUT  
MS24665-212 COTTER PIN  
NAS1149C0432R WASHER

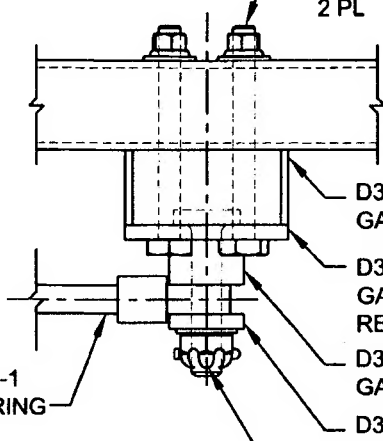


**VIEW F-F**

AN3C16A BOLT  
NAS1149C0332R WASHER  
MS21043-3 NUT  
2 PL

D3969-1  
GAS SPRING  
REF

D3953-13  
GAS SPRING SPACER  
D3953-1  
GAS SPRING BRACKET  
REF  
D3953-7  
GAS SPRING SPACER  
D3953-9  
GAS SPRING WASHER  
D3953-3 GAS SPRING STUD  
AN310-4 CASTELLATED NUT  
MS24665-212 COTTER PIN  
NAS1149C0432R WASHER

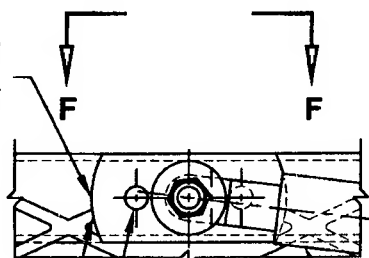


**VIEW E-E**

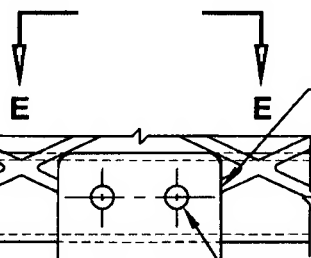
D3953-5  
GAS SPRING STUD  
REF

TRIM MESH LOCALLY  
AS REQUIRED

TRANSFER MARK AND  
DRILL Ø0.194 THRU  
2 PL



**DETAIL B**



**DETAIL A**

TRIM MESH LOCALLY  
AS REQUIRED

TRANSFER MARK AND  
DRILL Ø0.194 THRU

D3953-1  
GAS SPRING BRACKET  
REF

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
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APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	AUTOMATIC LID OPENER INSTL	NTS
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